

Monolithic Crystal Filters (MCF)

Highs tability
Ceramic Package
Small&Thin

Pb-free : RoHs compliance



MC-7050C2-21M475, -21M775, -26M35

Typical applications

- Mobile Telecommnuication, Base Station, GPS, etc.

Features

- 30 to 150 MHz.
- 2 Pole.
- Package : Metal lid + Ceramic package.
- 7.0×5.0×1.5 mm

Specifications

Model	MC-7050C2-21M475	MC-7050C2-21M775	MC-7050C2-26M35
Nominal Frequency	21.400 MHz	21.700 MHz	26.050 MHz
Pole	2 Pole	2 Pole	2 Pole
Pass Band	3 dB :±7.5KHz min.	3 dB :±7.5KHz min.	3 dB :±3.5KHz min.
Attenuation Band	18dB : ±28 KHz max.	18dB :±25 KHz max.	18dB :±12.5 KHz max.
Ripple	0.5dB max.	1.0dB max.	1.0dB max.
Loss	1.5dB max.	2.0dB max.	2.0dB max.
Attenuation Band	60dB min.:Fo-900KH	70dB min.:Fo-900KHz	50dB min.:Fo-900KHz
Spurious	10dB max.	18dB max.	10dB max.
Termina Impedance	1500Ω // 2.5pF	1500Ω // 2.5pF	1000Ω // 2.5pF
Operating Temperture	-20 to +70° C		

Environmental Characteristics

Description	Specification
Fall Shock	Test : 3 time free drop onto concrete board from 150cm high Result: ±5.0 ppm max.
Vibration Shock	Test : Freq. 5-500Hz, Amplitude 1.5mm, Test time 4cycles/XYZ axis Result: ±5.0 ppm max.
Solderability	Test : Immersed into solder bath at 235±° C for 3 sec. Result: More than 95%
Humidity	Test : 90 to 95%RH at 60±3° C±500 hours Result: ±5.0 ppm max.
Reflow Heat	Test : 2 times of IR reflow soldering in accordance with reflow temerature profil as per the document No.:TR-(Result: ±5.0 ppm max.

Outline Drawing & Suggested Pa

